

# Converting Colors

CIELCh(41, 33.038, 331.921)

Have a look what the booklet for  
CIELCh(41, 33.038, 331.921)  
contains.

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**Color**

**CIELCh(41, 33.207, 331.931)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	844F7B
RGB	132, 79, 123
RGB Percent	52%, 31%, 48%
CMY	0.4834, 0.6911, 0.5186
CMYK	0.00, 0.40, 0.07, 0.48
HSL	310°, 25%, 41%
HSV	310°, 40%, 52%
XYZ	15.8119, 11.8645, 20.1118
YIQ	99.8630, 17.4640, 24.9200

# Conversions

## Conversions Part 2

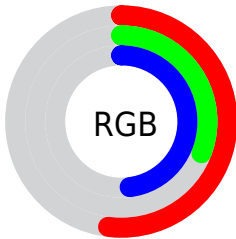
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	132, 79, 123
Decimal	8671099
CIE <sub>Lab</sub>	41.00, 29.30, -15.63
CIE <sub>LCh</sub>	41, 33.207, 331.931
Yxy	11.8645, 0.3309, 0.2483
Android (android.graphics.Color)	4286861179 (0xFF844F7B)
YUV	99.8630, 11.4065, 28.1841
Hunter-Lab	34.4449, 21.6614, -10.5070

# Details

The CIELCh color **41, 33.207, 331.931** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **50, 33.156, 146.377**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 33.604, 331.585**, and **21, 33.019, 331.994** is the 20% darker color. If you saturate the color by 10%, you get **38, 40.849, 332.573**, and if you desaturate by 10%, it is **44, 25.109, 331.299**.

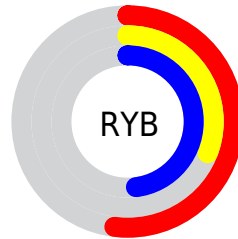
# Distribution



Red (52%)

Green (31%)

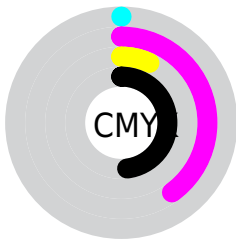
Blue (48%)



Red (52%)

Yellow (31%)

Blue (48%)

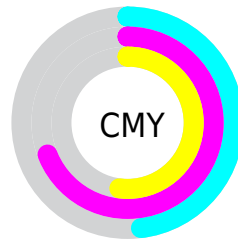


Cyan (0%)

Magenta (40%)

Yellow (7%)

Black (48%)



Cyan (48%)

Magenta (69%)


Yellow (52%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 33.207, 331.931 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 41, 33.207, 331.931 by changing the saturation by 10% instead.





 41, 33.207,  
331.931


 41, 33.207,  
331.931


 100, 33.207,  
331.931


 31, 33.207,  
331.931

 61, 33.207,  
331.931


 21, 33.207,  
331.931

 71, 33.207,  
331.931


 11, 33.207,  
331.931


 81, 33.207,  
331.931

 1, 33.207, 331.931

 91, 33.207,  
331.931

 0, 33.207, 331.931

 41, 33.207,

 41, 33.207,

331.931

38, 40.849,  
332.573

35, 47.741,  
333.226

33, 53.540,  
333.894

31, 57.921,  
334.590

30, 60.660,  
335.334

29, 62.228,  
336.101

331.931

44, 25.109,  
331.299

48, 16.800,  
330.678

51, 8.452, 330.063

55, 0.183, 328.297

59, 7.931, 148.974

63, 15.846,  
148.423

66, 23.539,  
147.906

70, 31.002,  
147.418

74, 38.239,



# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



41, 33.207, 331.931



50, 33.156, 146.377

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41, 33.207, 331.931



41, 33.207, 21.931



41, 33.207, 151.931



41, 33.207, 201.931

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



41, 33.205, 331.931



64, 12.293, 330.190



36, 33.043, 300.378



33, 8.222, 330.255



86, 0.010, 296.813



37, 0.005, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41, 33.205, 331.931



50, 48.395, 332.500



40, 24.776, 358.242



26, 4.688, 329.996



29, 61.661, 336.090



0, 1.116, 329.490



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



41, 33.205, 331.931



50, 48.395, 332.500



51, 22.380, 169.697



26, 4.688, 329.996



29, 61.661, 336.090

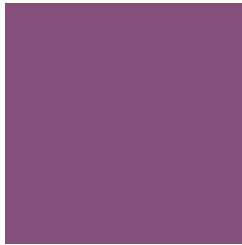


0, 1.116, 329.490



# Previews

## White Background



This preview shows how the CIELCh color 41, 33.207, 331.931 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 41, 33.207, 331.931 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

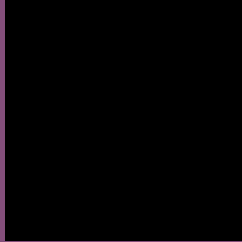
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 41, 33.207, 331.931

## Background



This preview shows how black text looks on a background with the CIELCh color 41, 33.207, 331.931.



This preview shows how white text looks on a background with the CIELCh color 41, 33.207, 331.931.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

41, 33.207, 331.931

### Protanopia

41, 23.798, 284.563

### Deuteranopia

41, 15.185, 292.420





**Tritanopia**  
41, 19.202, 9.753

# Trichromacy



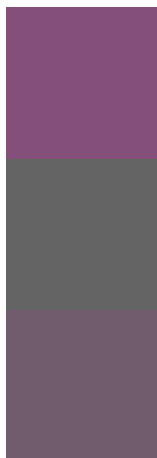
**Original Color**  
41, 33.207, 331.931

**Protanomaly**  
41, 25.412, 303.608

**Deuteranomaly**  
41, 20.877, 313.382

**Tritanomaly**  
41, 22.561, 350.861

# Monochromacy



**Original Color**  
41, 33.207, 331.931

**Achromatopsia**  
42, 0.006, 296.813

**Achromatomaly**  
42, 12.706, 331.578

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 41, 33.207, 331.931 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(132, 79, 123)` looks like.

```
.text, #text, p{  
    color:rgb(132, 79, 123)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(132, 79, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 79, 123) }
```

## Border

The CSS property to change the border of an element to CIELCh 41, 33.207, 331.931 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(132, 79, 123) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(132, 79, 123) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(132, 79, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 79, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 79, 123);  
box-shadow:4px 4px 4px 4px rgb(132, 79,  
123) }
```

# Background

The CSS property to change the background color of an element to CIELCh 41, 33.207, 331.931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 79, 123) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(132, 79,  
123) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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